## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applica		Chun-Li Liu et al.	Group Art Unit: Examiner:			
Application No.: Date Filed: Title:		. Concurrently Herewith	Examiner.			
		SOI TEMPLATE LAYER				
		INFORMATION DISCLO	SURE STATEMENT (IDS)			
	ssioner F dria, VA	For Patents 22313				
States I for subspatent a	n attache Patent and mitting a application	ed Form PTO/SB/08 and/or subsequent Trademark Office. Pursuant to the Office copy of each cited U.S. patent and each siled after June 30, 2003 and for all	mpliance with 37 C.F.R. §§1.97 and 1.98, the references tly identified herein, are for consideration by the United fice waiving the requirement under 37 CFR 1.98 (a)(2)(i) h U.S. patent application publication for all U.S. national linternational applications that have entered the national fithe reference are not submitted herewith.			
I.	COPIE a.⊠	A legible copy of (i) each U.S. and for caused it to be listed; and (iii) all other is included herewith.	oreign patents; (ii) each publication or that portion which er information or that portion which caused it to be listed,			
	b. <u> </u>	Any patents, publications or other information which are listed on PTO/SB/08 enclosed herewith were previously cited by or submitted to the PTO in one capplications which has been relied upon for an earlier filing date under 35 U.S.0				
		U.S. Serial Number	U.S. Filing Date			
II.	<ul> <li>CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)</li> <li>a.  Except as may be indicated below in (b) of this section, all of the patents, publication information are in the English language (concise explanation not required).</li> <li>b.  A concise explanation of the relevance of all patents, publications or other information in the English language is as follows:</li> </ul>					
==	c. The following additional information is provided for the Examiner's considerat					
III. CROSS REFERENCE TO RELATED APPLICATION(S)  The Examiner is advised that the following co-pending application(s) contain( be related to the present application. By bringing this (these) applications to Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. §1			pending application(s) contain(s) subject matter that may ging this (these) applications to the Examiner's attention,			
	Serial N	No. Filing Date	Art Unit			
			<u>FEES</u>			
IV. 🛛	a. within three months of the filing date of a national application other that prosecution application under § 1.53(d) (37 C.F.R. §1.97(b)(1)). No fee					
	b	international application (37 C.F.R. §	entry of the national stage as set forth in § 1.491 in an 1.97(b)(2)). No fee or statement is required.			
	c. 🗌	before the mailing date of a first Offi or statement is required.	ce Action on the merits (37 C.F.R. §1.97(b)(3)). No fee			
	d.	before the mailing date of a first O	ffice Action after the filing of a request for continued § 1.97(b)(4)). No fee or statement is required.			

٧. 🗀	before	e the mai	ling date of any of a Final Office	. §1.97(c): (check one box) Action under 37 C.F.R. §1.113, a Notice of Allowance
	under	37 C.F.F	R. \$1.311, or an action that otherw	rise closes prosecution in the application (See 37 C.F.R.)
	§1.97	(c)).	· ·	iso croses prosecution in the application (See 37 C.P.R.
	a. 🔲	No sta	tement; therefore, charge deposit	account 502117 the fee set forth in 37 C.F.R. §1.17(p).
	b. 🔲	See th	e statement below. No fee is requ	pired.
VI. 🔲	THIC	IDS IS B	EING FILED UNDER 37 C.F.R	\$1.07(4)
٧1. 🗀			syment of the issue fee and is acco	
	1)	a state	ement under 37 C.F.R. §1.97(e) as	provided below: and
	2)	charge	e deposit account 502117 the pet	tion fee set forth in §1.17(p).
<b>-</b>	OTD A IT			•
VII. [_]	SIA1	EMENT ndersigne	UNDER 37 C.F.R. §1.97(e) (che d hereby states that	ck only one box, if applicable)
	a.□			the IDS was cited in a communication from a foreign
		Patent of IDS	Office in a counterpart foreign a	opplication not more than three months prior to the filing
	b.[			ne IDS was cited in a communication from a foreign
		Patent	Office in a counterpart foreign a	pplication, and to knowledge of the person signing the
		statem	ent after making reasonable inqu	airy, no item of information contained in the IDS was
		Knowr	of this statement, or	37 C.F.R. 1.56(c) more than three months prior to the
	c.			ined in the IDS were cited in a communication from a
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		a coun	terpart foreign application not me	ore than three months prior to the filing of this IDS. As
		to the	remaining information, the und	ersigned hereby states that no item of this remaining
		1010LH	ternart foreign application or to	ted in a communication from a foreign Patent Office in the knowledge of the person signing the statement after
		makin	g reasonable inquiry, no item of	information contained in the IDS was known to any
		individ	lual designated in 37 C.F.R. 1.50	b(c) more than three months prior to the filing of this
		statem	ent.	1
VIII.	DAVA.	MENT OF	EEEC	
V 111.				nclosed for the above-identified fee(s).
		Please	charge Deposit Account 502117	in the amount of \$180.00 for the above-indicated
		fee(s).		
	$\boxtimes$	If App	licant has overlooked any addition	nal fees, or if any overpayment has been made, the
		Comm	issioner is hereby authorized to cr	edit or debit Deposit Account 502117.
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	The ab	ove refer	ences are being cited only in the	nterests of candor and without any admission that they
constitut	e statut	tory prior	art or contain matter which anti	cipates the invention or which would render the same
obvious,	either	singly or	in a combination, to a person of o	rdinary skill in the art.
	TC 41 T	<b>.</b> .		
If it is de	II Ine l	Examiner	has any questions concerning the	s IDS, he/she is requested to contact the undersigned.
under the	e prope	er rule (v	with a petition if necessary) and	wrong rule, the PTO is requested to consider this IDS charge the appropriate fee to Deposit Account No.
502117,	Motor	ola, Inc.	and a position it necessary) and	emarge the appropriate fee to Deposit Account No.
				Respectfully submitted,
				Chun-Li Liu <i>egal.</i>
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				David G. Dolezal
MOTOR	OLA, I	NC.		Attorney for Applicant(s)
Customer	r Numb	er 23125		Reg. No. 41,711
ъ.				Tel. 512.996.6839
Enclosure	es:	X	PTO/SB/08	
		씜	References Foreign Search Penart	
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PTO/SB/084 (04-03)

Complete if Known			
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U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number Number -Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	AA	5,461,243	10/24/1995	Ek et al.		
	AB	5,759,898	06/02/1998	Ek et al.		
	AC	6,369,438 B1	04/09/2002	Sugiyama et al.		
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	AF	6,524,935 B1	02/25/2003	Canaperi et al.		
	AG	2003/0040160 A1	02/27/2003	Huang et al.		

FOREIGN PATENT DOCUMENTS							
Examine r Initials*	Cite No. 1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т 6	
	AH	JP 2000243946	12/06/1999	Naoharu et al.		Yes/Abstract	
	Al	WO 02/33746 A1	04/22/2002	Chu et al.			

		NON PATENT LITERATURE DOCUMENTS
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	AJ	Chi et al., "Electrically active defects in surface preamorphized and subsequently RTP-annealed Si and the effect of titanium silicidation," <i>Proc. 1998 5th International Conference on Solid-State and Integrated Circuit Technology</i> ,", October 21, 1998, Beijing, China, p. 324-327.
	AK	Fahey <i>et al.</i> , "Point defects and dopant diffusion in silicon," <i>Reviews of Modern Physics</i> , April 1989, Vol. 61, No. 2, pp. 289-384.
	AL	Lee et al., "Sub-30 nm P+ abrupt junction formation in Strained Si/Si <sub>1-x</sub> Ge <sub>x</sub> MOS device," Technical Digest of the International Electron Devices Meeting, December 8, 2002, pp. 379-81.
	АМ	LeGoues <i>et al.</i> , "Kinetics and Mechanism of Oxidation of SiGe: Dry Versus Wet Oxidation," <i>Applied Physics Jetters</i> , February 13, 1989, Vol. 54, No. 7, pp. 644-646.
	AN	LeGoues et al., "Oxidation Studies of SiGe," Journal of Applied Physics, February 15, 1989, Vol. 65, No. 4, pp. 1724-1728.
	AO	Lim et al., "Dry Thermal Oxidation of a Graded SiGe Layer," Applied Physics Letters, November 26, 2001, Vol. 79, No. 22, pp. 3606-3608.
	AP	Sawano et al., "Relaxation Enhancement of SiGe Thin Layers by Ion Implantation into Si Substrates," IEEE, 2002, pp. 403-404.
	AQ	Tezuka et al., "Dislocation-free Formation of Relaxed SiGe-on-insulator Layers," Applied Physics Letters, May 13, 2002, Vol. 80, No. 19, pp. 3560-3562.
	AR	Tezuka et al., "Fabrication of Strained Si on an Ultrathin SiGe-on-insulator Virtual Substrate with a High-Ge Fraction," Applied Physics Letters, September 17, 2001, Vol. 79, No. 12, pp. 1798-1800.
	AS	Vyatkin <i>et al.</i> , "Ion Beam Induced Strain Relaxation in Pseudomorphous Epitaxial SiGe Layers," <i>IEEE</i> , 2000, pp. 70-72.

Examiner	Date		
Signature	Conside	ed	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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